

Claims

1. Relay (1) with two parallel contact springs (2a, 2b) which each close or interrupt the electric circuit between a first and a second relay contact (3, 4) and whose one end is connected in a conducting fashion with the first relay contact (3) and whose other free end (5a; 5b) closes or interrupts the electric circuit in a first end position and a second end position of the contact springs (2a, 2b), respectively, and with an armature (11) which can be adjusted by means of a magnetic field, whose poles can be changed, for deflecting the contact springs (2a, 2b) into the respective end position, characterized in that a leaf spring (17) is centrally pivotably disposed on the armature (11) or its actuator (14) whose two free ends (18a, 18b) bias the two contact springs (2a, 2b) with force into the first end position.
2. Relay according to claim 1, characterized in that the free ends (18a, 18b) of the leaf spring (17) are arc-shaped.
3. Relay according to claim 1 or 2, characterized in that the leaf spring (17) is clamped on the armature (11) or on the actuator (14).
4. Relay according to any one of the preceding claims, characterized in that the leaf spring (17) is formed of electrically conducting material.
5. Relay according to any one of the preceding claims, characterized in that the two contact springs (2a, 2b) are formed in one piece.
6. Relay according to any one of the claims 1 through 4, characterized in that the two contact springs (2a, 2b) are formed as separate leaf springs.
7. Relay according to any one of the preceding claims, characterized in that the actuator (14) is linearly displaceably disposed approximately in the deflecting direction (15) of the contact springs (2a, 2b).
8. Relay according to any one of the preceding claims, characterized in that the contact springs (2a, 2b) are directly coupled with the armature (11) or the actuator (14) in the opening direction of the relay (1) and are motionally coupled in the closing direction of the relay (1) with the armature (11) or the actuator (14) via the leaf spring (17).